19" (18.0" VIS) Real Flat monitor

109B50

Dare to compare - LightFrame™3 for the sharpest and brightest displays ever!

- *LightFrame™3 - Double normal brightness*
- *19-inch (18.0" VIS) Real Flat color monitor with excellent front of screen performance for use with MACs and PCs*
- *Autoscan covers horizontal frequencies up to 97 kHz offering a maximum resolution of 1920 x 1440 with flicker free display of 1280 x 1024 at up to 90 Hz*
- *Real Flat High Contrast CRT with high-resolution 0.25 mm dot pitch (0.21 hdp)*
- *XSD-Xtra Space Design for large screen display in a small foot print: World's shortest 19-inch Real Flat shadow mask monitor with maximum depth of only 449 mm/17.6"*
- *TCO '03 certified*

109B
PHILIPS
YOUR COUNTRY
CONSUMER PRODUCTS
PROFESSIONAL PRODUCTS
SEARCH
Philips Australia | About Philips | News Center | Careers | Investor Info | Theme Cache
News Center
State of Origin
Mate against mate... state against state
Harvey Norman
STATE OF ORIGIN
PHILIPS
click here to learn more >
Philips New Generation Digital LightFrame™ Technology Brings Best Picture Enhancement to LCD Monitors
Sydney, April 15, 2003
Philips Audio Solutions Power Up for a New Generation of Music and Gaming
Sydney, April 15, 2003
Philips Emotive Micro Audio Systems Make a Statement
Sydney, April 15, 2003
PHILIPS ORIGIN SERIES
TIPPING COMP
WIN
32" widescreen television
psa[play
music moves you
AEX
EUR 16,52
© 2002 Koninklijke Philips Electronics N.V. All rights reserved. | Privacy Policy | Philips | Access to and use of this Web Site is subject to these Terms of Use.
PHILIPS

LightFrame™3

PHILIPS

19" (18.0" VIS) Real Flat monitor

Technical Specifications

CRT

• Size (inch/cm)	19"/46 cm
• Deflection angle (degrees)	90°
• Dot pitch	0.25 mm
• Horizontal pitch	0.21 mm
-Tube type	Shadow mask, Real Flat, High Contrast, Anti Glare, Anti Static, Anti reflection, Light Transmission 45%
• Phosphor	P22
• Recom. display area(mm)	355 x 265 mm
• Recom. display area(inch)	14" x 10.4"
• Max. display area(mm)	360 x 270 mm
• Max. display area(inch)	14.4" x 10.8"

Scanning

• Horizontal scanning	30 - 97 kHz
• Vertical scanning	50 - 160 Hz

Video

• Video dot rate	250 MHz
• Input impedance	
-Video	75 Ohm
-Sync	2.2k Ohm
• Input signal level	0.7 Vpp
• Sync input signal	Separate sync Composite sync
• Sync polarities	Positive and negative

White color temperature

Chromaticity CIE coordinates:

• at 9300 K:	x=0.283, y=0.297
• at 6500 K:	x=0.313, y=0.329
• at 5500 K:	x=0.332, y=0.347

Resolution and preset modes

• Max. resolution	1920 x 1440	
• Recom. resolution	1280 x 1024	
• 16 user definable modes		
• 33 factory modes:		
	H.freq (kHz)	V.freq (Hz)
640 x 480	31.5K	60
640 x 480	37.9K	72
640 x 480	37.5K	75
640 x 480	43.3K	85
640 x 480	50.6K	100
720 x 400	31.5K	70
720 x 400	37.9K	85
800 x 600	37.9K	60
800 x 600	48.1K	72
800 x 600	46.9K	75
800 x 600	53.7K	85
800 x 600	63.9K	100
832 x 624	49.7K	75
1024 x 768	48.4K	60
1024 x 768	56.5K	70
1024 x 768	60.0K	75
1024 x 768	68.7K	85
1152 x 864	67.5K	75
1152 x 864	77K	85
1152 x 870	68.7K	75
1152 x 900	71.8K	76
1280 x 960	60.0K	60
1280 x 960	85.9K	85
1280 x 1024	64.0K	60
1280 x 1024	80.0K	75
1280 x 1024	91.1K	85
1600 x 1200	75.0K	60
1600 x 1200	81.3K	65
1600 x 1200	87.5K	70
1600 x 1200	93.8K	75
1792 x 1344	83.6K	60
1856 x 1392	86.3K	60
1920 x 1440	90.0K	60

Plug and play compatibility

- Display Data Channel DDC 2B (VESA)
- Microsoft® Windows® 95/98/Me & 2000/NT/XP compatible
- sRGB

Power management

Complies with EPA Energy Star and NUTEK specifications

• Operation	75 W (typical)
• Off mode/Deep Sleep	< 1 W

Low-emission characteristics

- Complies with MPR-II and TCO '03 specifications

Monitor controls and functions

• Main	3-button OSD Brightness +/- direct access Contrast+/- direct access
• On Screen Display	Language (English, Spanish, French, German, Italian, Chinese, Portuguese, Korean), zoom, horizontal, vertical, pin cushion, balanced, trapezoid, parallelo gram, color, reset, degauss, moiré, serial number, resolution, frequency, sRGB
• LightFrame™3	For improving the picture display of multimedia content such as photos, videos and games. Boosts brightness and sharpness performance in user selected screen areas/windows. For an enhanced web browsing experience, automatically detects graphic content in Internet Explorer. Can process up to 16 images simultaneously. One-but ton full screen screen mode. Advanced user adjustments from Windows control panel. Easy to use control software for Windows 98,Me. XP and 2000. Software in English, French, German, Spanish, Italian, Portuguese, Dutch, Chinese and Korean

Connections and cables

• Connections on monitor body	
-Video	15-pin D-Shell
• Cables	D-Sub Video cable(fixed), power cord

Regulatory approvals

- TCO '03
- MPR-II Low Emission
- TÜV/GS, TÜV/Ergo
- FCC-B, UL, CSA, DHHS
- SEMKO, Poland-B sign, C-Tick
- CE, BSMI, PSB
- NUTEK, Energy Star

Physical specifications

• Dim. incl. base (WxHxD)	440 x 433 x 449 mm
• Dim. incl. base (WxHxD)	17.3" x 17.0" x 17.6" inch
• Dim. excl. base (WxHxD)	440 x 383 x 449 mm
• Dim. excl. base (WxHxD)	17.3" x 15.1" x 17.6" inch
• Weight	20 kg
• Power supply	Please refer to rating label
• Temperature (operational)	0°C to 40°C/ 32°F to 104° F
• Temperature (storage)	-25°C to 65°C/ -13°F to 149°F
• Relative humidity	5% to 95%
• MTBF	> 75,000 H

As an Energy Star partner, Philips has determined that this product meets the Energy Star guidelines for energy efficiency.
Microsoft and Windows are registered trademarks of Microsoft Corporation.
MacOS is a registered trademark of Apple Computer, Inc.

All data subject to change without notice
Release date: January 2004
www.philips.com

PHILIPS